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MONTANA OIL AND GAS STATISTICAL BULLETIN

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P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, Attorney
422 NORTH PARK AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, Petroleum Engineer
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, Geologist
15 POLY DRIVE
BILLINGS, MONTANA 59101

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P. O. BOX 277
POPLAR, MONTANA 59255

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HELENA, MONTANA 59601

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2300 PEARL
MILES CITY, MONTANA 59301

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WINSTON L. COX
525 SECURITIES BLDG.
BILLINGS, MONTANA 59101

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVIII, No. 6 June, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of June, 1970, averaged 102,896 barrels daily, a decrease of 3,522 barrels from the average May, 1970 production of 106,418.

The nine refineries in the state processed 111,071 barrels of crude oil daily for the month of June, 1970, an increase of 25,923 barrels from the 85,148 barrels processed daily during the month of May, 1970.

During June 43 wells were completed, 3 oil, 1 gas and 39 dry holes.

During June the commission issued 70 permits to drill new wells, an increase of 33 from the 37 permits issued during May.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF JUNE, 1970

IN STORAGE JUNE 1st	
By Producers	387,741
By Transporters	1,651,855
By Refiners	1,076,691
TOTAL STORAGE	3,116,287
Produced in Montana During Month	3,086,868
Imported During Month	2,613,864
TOTALS	8,817,019
DISPOSITION:	
Refined in Montana	3,332,118
Exported	2,318,053
Used for Fuel or Lost	3,552
TOTAL	5,653,723
IN STORAGE JUNE 30th	
By Producers	374,566
By Transporters	1,704,027
By Refiners	1,084,703
TOTAL STORAGE	3,163,296

NATURAL GAS WITHDRAWALS IN MONTANA

Month of June, 1970

Field	M. Cu. Ft.
Bell Creek	440,091
Big Coulee	26,044
Blackjack	76,652
Bowdoin	53,332
Bowes	31,790
Cabin Creek	98,107
Cedar Creek	75,223
Cut Bank (Including Reagan)	498,093
Devon	0
Dry Creek	23,882
Elk Basin	84,499
Flat Coulee	15,371
Gold Butte	3,567
Golden Dome	0
Grandview	24,596
Hardin	2,569
Keith Block	0
Kevin Sunburst	15,187
Lake Basin	43,751
Middle Butte	3,333
Mt. Lilly	6,189
Pine	57,146
Plevna	6,417
Squaw Coulee	65,313
Tiger Ridge	40,662
Utopia	19,306
Whitlash	62,863
Miscellaneous	216,178
TOTAL	1,990,161

Total withdrawals for June 1969 were 2,606,120

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PRODUCERS REPORT—MONTH OF JUNE, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	521	2,204	----	2,246	----	479
1	Bainville	1	2,344	6,537	----	7,132	----	1,749
1	Bannatyne	1	573	201	201	----	----	573
1	Bascom	1	124	25	----	----	----	149
5	Bear's Den	6	1,806	916	----	1,843	----	879
62	Bell Creek	380	60,401	613,693	614,088	----	1,703	58,303
1	Benrud	1	244	157	----	----	----	401
2	Benrud East	2	1,088	14,462	14,559	----	----	991
1	Benrud Northeast	1	669	3,150	3,150	----	----	669
1	Berthelote	1	229	425	----	----	173	481
6	Big Wall	15	2,342	10,731	10,850	----	----	2,223
5	Blackfoot	7	882	3,267	3,267	----	----	882
5	Border	5	456	1,342	----	1,219	----	579
1	Bowes	57	3,957	12,594	13,755	----	----	2,796
1	Bradley	1	351	650	650	----	----	351
1	Brady	1	296	172	172	----	----	296
4	Brorson-Madison	4	1,654	5,666	----	6,031	----	1,289
6	Brorson-Red River	6	3,865	23,731	----	22,613	----	4,983
2	Brorson-Red River South	3	2,869	12,100	----	12,100	----	2,869
4	Brush Lake	4	1,601	34,855	35,906	----	----	550
2	Cabin Creek	96	----	297,965	297,965	----	----	----
14	Cat Creek	62	2,899	13,517	12,774	1,450	----	2,192
1	Clark's Fork	1	167	125	----	190	----	102
3	Conrad South	3	662	813	813	----	----	662
1	Cow Creek	1	169	548	----	651	----	66
1	Culbertson	1	615	3,730	----	3,957	----	388
2	Cupton	2	2,798	3,032	----	4,503	----	1,327
135	Cut Bank	869	64,387	434,807	436,105	----	13	63,076
...	Dean Dome	----	65	----	----	----	----	65
2	Deer Creek	2	619	1,428	1,220	----	----	827
1	Delphia	1	127	496	----	411	----	212
...	Devil's Basin	----	671	----	----	----	----	671
3	Dwyer	14	5,020	25,825	25,820	----	----	5,025
4	Elk Basin	57	1,428	171,264	171,141	----	----	1,551
5	Elk Basin Northwest	14	8,683	12,516	12,620	----	----	8,579
10	Fairview	14	10,282	57,283	57,815	----	----	9,750
2	Fertile Prairie	2	849	1,381	----	1,451	----	779
9	Flat Coulee	27	4,788	9,405	9,487	----	----	4,706
42	Flat Lake	62	7,795	67,037	66,158	----	----	8,674
4	Flat Lake South	4	847	5,938	5,720	----	----	1,065
1	Frannie	1	----	600	600	----	----	----
13	Fred & George Creek	37	2,746	32,457	33,445	----	47	1,711
1	Gage	1	29	179	----	182	----	26
...	Gage Southwest	----	30	----	----	----	----	30
2	Gas City	16	8,623	23,679	22,014	3,537	----	6,751
2	Girard	2	1,840	8,246	----	8,799	----	1,287
11	Glendive	15	3,268	27,625	23,627	5,210	----	2,056
26	Goose Lake	34	5,746	45,241	45,724	----	----	5,263
9	Graben Coulee	19	4,369	4,178	1,493	2,869	----	4,185
...	Gypsy Basin	----	749	----	----	----	----	749
1	Hardscrabble Creek	1	253	259	----	454	----	58
2	Hay Creek	2	476	19,482	19,517	----	----	441
7	Hiawatha	7	5,650	10,777	10,444	----	----	5,983
1	Hibbard	1	347	237	----	208	----	376
1	Injun Creek	1	654	519	----	404	----	769
6	Ivanhoe	9	3,575	7,481	6,640	----	60	4,356
1	Katy Lake	1	1,182	4	----	1,010	176	----
7	Keg Coulee	20	5,050	13,004	7,738	3,453	----	6,863
2	Keg Coulee North	2	1,112	683	453	----	----	1,342
1	Kelley	5	979	4,045	3,667	----	----	1,357
73	Kevin Sunburst	418	9,973	26,892	23,639	3,330	----	9,896
8	Laird Creek	10	496	5,016	----	4,713	2	797
2	Leary	2	1,307	1,538	----	1,179	5	1,661
1	Little Beaver	24	----	25,261	25,261	----	----	----
2	Little Beaver East*	13	1,422	14,359	12,926	----	----	2,855
2	Lodge Grass	2	590	1,440	----	1,340	----	690
3	Lookout Butte (Coral Creek)	3	550	83,904	83,558	----	----	896
...	Mackay Dome	----	1,134	----	----	----	----	1,134
2	Mason Lake	2	736	409	676	----	----	469
3	Melstone	5	1,266	1,875	1,378	----	----	1,763
1	Mineral Bench	1	527	1,002	858	----	----	671
1	Miner's Coulee	1	107	504	----	504	----	107
10	Monarch	14	4,218	17,459	15,130	3,549	----	2,998
3	Mosser	3	----	742	----	742	----	----
6	Outlook	9	7,381	18,079	18,948	----	----	6,512
1	Outlook South	1	1,353	1,814	2,616	----	----	551
2	Outlook West	2	1,051	3,124	2,937	----	----	1,238
1	Pennel—Lookout Butte	110	----	124,867	124,867	----	----	----
4	Pine	116	17,028	273,183	272,786	----	----	17,425
...	Pole Creek	----	211	----	----	----	----	211
68	Pondera	272	6,097	25,488	24,627	----	----	6,958
7	Poplar	68	11,080	55,796	56,150	----	126	10,600
3	Poplar Northwest	3	1,176	1,077	720	----	----	1,533
1	Prairie Elk	1	871	851	572	----	----	1,150
4	Pritchard Creek	4	167	3,158	3,158	----	----	167
4	Ragged Point	12	3,355	7,153	6,499	----	----	4,009
2	Rattlesnake Coulee	2	413	766	766	----	----	413
2	Reagan	48	548	20,824	21,011	----	----	361
1	Red Creek	21	----	18,644	18,644	----	----	----
1	Red Fox	1	239	2,750	2,750	----	----	239
1	Redstone	1	677	3,691	4,057	----	----	311
1	Repeat	1	466	1,868	----	2,218	----	116
5	Reserve	5	----	12,383	12,383	----	----	----
1	Richey	1	383	1,350	1,031	----	----	702
1	Richey Southwest	6	782	2,805	----	2,860	----	727
...	Rough Creek	----	266	----	----	----	----	266
1	Rush Mountain	1	755	2,678	3,101	----	----	332
5	Sand Creek	7	2,402	7,136	7,083	----	----	2,455
1	Shotgun Creek	1	505	431	----	609	----	327
1	Sidney	1	880	579	----	579	280	600
1	Snyder	4	572	841	----	916	----	497
6	Soap Creek	17	3,446	5,614	----	6,717	----	2,343
2	Spring Lake	2	4,866	1,843	----	3,933	----	2,776
1	Stensvad	10	3,695	15,788	15,933	----	----	3,550
11	Sumatra	76	17,429	58,226	57,315	----	----	18,340
5	Tule Creek	6	3,405	30,226	----	29,659	----	3,972
2	Tule Creek East	2	505	10,500	----	10,500	----	505
2	Tule Creek South	3	1,224	4,844	----	4,809	28	1,231
2	Vida	2	514	1,354	----	1,098	----	770
3	Volt	4	3,184	12,500	12,500	----	----	3,184
2	Weed Creek	3	466	4,082	4,155	----	5	388
4	Weldon	9	1,353	27,389	27,295	----	----	1,447
1	West Butte	1	----	2,779	----	2,779	----	----
16	Whitlash	42	6,937	10,477	10,749	----	----	6,665
1	Whitlash West	1	539	250	250	----	----	539
1	Wibaux	1	132	686	----	686	----	132
2	Wills Creek South	2	----	3,321	3,321	----	----	----
6	Wolf Springs	8	3,757	4,165	3,149	----	----	4,773
1	Woodrow	1	363	1,323	1,535	----	----	151
3	Wright Creek	5	2,140	5,103	5,345	----	----	1,898
1	Wildcat, Blaine Cty	1	565	224	----	375	----	414
...	Wildcat, Carbon Cty	----	310	----	----	----	----	310
1	Wildcat, Fallon Cty	3	2,242	7,950	----	8,328	----	1,864
2	Wildcat, Glacier Cty	5	1,059	877	113	991	----	832
1	Wildcat, Liberty Cty	1	487	74	----	405	----	156
2	Wildcat, Musselshell Cty	2	829	8,943	----	9,145	----	627
4	Wildcat, Richland Cty	4	1,489	43,155	----	43,394	----	1,250
2	Wildcat, Toole Cty	2	----	754	549	205	----	----
768	Total	3,315	387,741	3,086,868	2,859,939	237,486	2,618	374,566

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
1st Quarter, 1970	9,744,920	108,306	9,724,779	108,062
April, 1970	3,060,479	102,016	3,026,413	100,880
May, 1970	3,298,973	106,418	3,298,477	106,402
June, 1970	3,086,868	102,896	3,097,425	103,247

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1969	351,210	1,237,355	731,177	2,319,742
March, 1970	362,487	1,382,147	387,559	2,132,193
April, 1970	392,877	1,372,996	750,542	2,516,415
May, 1970	387,741	1,651,855	1,076,691	3,116,287
June, 1970	374,566	1,704,027	1,084,703	3,163,296

*Montana Oil Only. ‡Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF JUNE, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,246				2,246		
BAINVILLE—									
Rock Island Oil & Ref. Co.			7,132				7,132		
BEAR'S DEN—Truck			1,843				1,843		
BELL CREEK—Pipelines	69,622	614,088					494,094	86,046	103,570
BIG WALL—									
Continental Pipeline Co.		10,851				10,851			
BLACKFOOT—									
Camerland Cardinal Corp.		3,267						3,267	
BORDER—Permian Corp.			1,219					1,219	
BOWES—Texaco Inc.		13,755				13,755			
BRORSON-MADISON—									
Rock Island Oil & Ref.			6,031					6,031	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—									
Rock Island Oil & Ref. Co.			34,713				34,713		
BRUSH LAKE—Portal Pipeline Co.		35,369					35,369		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	341,005	758,507	27,415	595,981			1,353,591		369,317
Shell Pipeline Co.	4,878	294,783			(278)			293,208	6,731
	345,883	1,053,290	27,415	595,981	(278)		1,353,591	293,208	376,048
CAT CREEK—									
Continental Pipeline Co.		12,774				12,774			
Truck			1,450			1,450			
		12,774	1,450			14,224			
CLARK'S FORK—Permian Corp.			190				190		
COW CREEK—West. Crude Oil, Inc.			651				651		
CULBERTSON—Tesoro Petr. Corp.			3,957					3,957	
CUT BANK—									
Continental Pipeline Co.			11,206	354,676				365,882	
Phillips Petroleum Co.	122,036	110,682		41,045	904	117,278		55,008	100,573
Texas Pipeline Co.	38,519	79,637		68,661	830			141,654	44,333
Union Oil Co.	154,151	70,430		40,998	(3,696)	127,051			142,224
Western Oil Trans. Co.		37,319						37,319	
Western Oil Trans. (Moulton)		66,918						66,918	
	314,706	364,986	11,206	505,380	(1962)	244,329		666,781	287,130
DELPHIA—Truck			411			411			
DWYER—Portal Pipeline Co.		18,524					18,524		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		183,666				183,666			
FAIRVIEW—Fairview Pipeline Co.		57,815					57,815		
FLAT COULEE—									
Camerland Cardinal Corp.		8,598				6,000		2,598	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		66,933					66,933		
FRANNIE—Interstate Pipeline Co.		600					600		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	22,668	39,508				19,476		14,024	28,676
GAGE & GAGE SOUTHWEST—									
Truck			182			182			
GIRARD—									
Rock Island Oil & Ref. Co.			8,799				8,799		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,289	30,091			553			29,656	7,171
GOOSE LAKE—									
Portal Pipeline Co.		40,670					40,670		
HARDSCRABBLE CREEK—Truck			454				454		
HAY CREEK—									
Fairview Pipeline Co.		19,517					19,517		
HIAWATHA—									
Continental Pipeline Co.		10,047					10,047		
HIBBARD—Truck			208			208			
INJUN CREEK—Permian Corp.			404				404		
IVANHOE—									
Continental Pipeline Co.		6,640				6,640			
KATY LAKE—Rock Island Oil & Ref Co.			1,010				1,010		
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		8,396				8,396			
Permian Corp.			3,453			3,453			
		8,396	3,453			11,849			
KELLEY—									
Continental Pipeline Co.		3,667				3,667			
KEVIN SUNBURST—									
Big West Oil Co.	4,764					4,764			
Homestake Oil & Gas Co.	4,273	1,763				3,384			2,652
Texas Pipeline Co.	7,874	10,404		4,417	307			15,024	7,364
	16,911	12,167		4,417	307	8,148		15,024	10,016
LEARY—Permian Corp.			1,179				1,179		
LODGE GRASS—Permian Corp.			1,340			1,340			
MASON LAKE—									
Continental Pipeline Co.		676				676			
MELSTONE—									
Continental Pipeline Co.		1,378				1,378			
MOSSER—Truck			742				742		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—									
Portal Pipeline Co.		24,501					24,501		
PONDERA—Phillips Petr. Co.	36,398	25,089			45	26,741			34,701
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	14,923	105,500			400			106,500‡	13,523
RAGGED POINT—									
Continental Pipeline Co.		6,499				6,499			
RED CREEK—									
Western Oil Transportation Co.		20,651						20,651	
RESERVE—Portal Pipeline Co.		11,972					11,972		
RUSH MOUNTAIN—									
Sinclair Refining Co.		3,101					3,101		
SHOTGUN CREEK—Truck			609				609		
SIDNEY—Truck			579					579	
SNYDER—Truck			916			916			
SOAP CREEK—Permian Corp.			6,717				6,717		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			3,933				3,933		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	821,748	72,430		1,165,756	(3,417)	69,943		1,152,828	840,580
TULE CREEK—Tesero Petr. Corp.	1,707		40,159			39,254			2,612
Permian Corporation			4,809			4,809			
	1,707		44,968			44,063			2,612
WEED CREEK—									
Continental Pipeline Co.		4,155				4,155			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		13,115				13,115			
WIBAUX—									
Rock Island Oil & Ref. Co.			686					686	
WOLF SPRINGS—									
Continental Pipeline Co.		3,149				3,149			
WILDCAT WELLS—Truck			62,843				62,843		
TOTALS	1,651,855	2,907,435	237,486	2,271,534	(4,352)	695,381	2,270,199	2,403,055	1,704,027

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat. Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JUNE, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		10,851								10,851
Bowes			22,663							22,663
Cat Creek		2,404		9,338		4,567				16,309
Cut Bank	10,850						116,655		116,824	244,329
Delphia						865				865
Elk Basin		70,416		47,211	66,039					183,666
Flat Coulee									6,000	6,000
Fred & George Creek	19,476									19,476
Gage & Gage Southwest						619				619
Hibbard						869				869
Ivanhoe		6,641								6,641
Keg Coulee		6,172		5,471						11,643
Kelley					3,667					3,667
Kevin Sunburst	8,148									8,148
Lodge Grass		1,340								1,340
Mason Lake		676								676
Melstone				1,378						1,378
Pondera							12,541			12,541
Ragged Point				6,499						6,499
Sand Creek						7				7
Snyder		916								916
Sumatra & Stensvad		24,866		45,077	7,519					77,462
Tule Creek								61,270		61,270
Weed Creek					4,155					4,155
Whitlash							13,115			13,115
Wolf Springs					3,149					3,149
Total Montana Oil	38,474	124,282	22,663	114,974	84,529	6,927	142,311	61,270	122,824	718,254
Canadian Oil Imported		402,500		202,928	211,169					816,597
Wyoming Oil Imported		317,615		467,067	1,012,585					1,797,267
Total Montana, Canadian, and Wyoming Oil	38,474	844,397	22,663	784,969	1,308,283	6,927	142,311	61,270	122,824	3,332,118

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1969	25,966	13,237	71,981	111,184
June, 1969	26,679	9,037	79,888	115,604
June, 1970	23,942	27,220	59,909	111,071

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.35%	11.91%	64.74%
23.08%	7.82%	69.10%
21.56%	24.50%	53.94%